

Radiological Emergencies

EMERGENCY RADIATION SAFETY ASSISTANCE FOR BALTIMORE FACILITIES

Response Actions: Skin Contamination:

1. Serious Injuries - Do not decontaminate before seeking medical assistance. Contact Radiation Safety and individual's supervisor.
2. Minor Injuries - Wash affected skin with soap and water.
3. Remove gloves and all potentially contaminated clothing.
4. Personnel assisting should wear gloves and put on a fresh pair of gloves after clothing removal.
5. Call the Division of Radiation Safety, **301-496-5774**.
6. If after hours contact Radiation Safety personnel as indicated below.
7. Notify individual's supervisor.

In the event of a radiological spill:

1. Notify personnel in the room/area of the spill.
2. Confine the contamination, using absorbent material.
3. Remove contaminated clothing and shoes before going to a clean area.
4. Survey yourself and others to ensure no spread of contamination.
5. After hours, contact Radiation Safety personnel as indicated below.
6. During business hours, contact the Division of Radiation Safety contractor, **301-496-5774**.
7. Wash the parts of the body that may have come in contact with radioactive material.
8. Survey again to ensure that no contamination is present.

Clean-Up Actions: Large Spill - Greater than 1 millicurie; Larger than 10 square feet; Volume greater than 1 liter:

1. Notify the Division of Radiation Safety, **301-496-5774**. After hours contact Radiation Safety personnel as indicated below.
2. Place absorbent material over the spill to keep from spreading.
3. Notify others in area and limit access to the spill area.
4. Monitor yourself and others for contamination. Decontaminate immediately if any contamination is found.
5. Label the boundaries of the spill area with Caution Radioactive Material tape.
6. Gather cleaning supplies such as moistened paper towels and scouring powder or any commercially available detergent. DO NOT USE HOUSEKEEPER's Equipment and Supplies.

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7. Wear lab coat, gloves (and shoe covers if necessary) while decontaminating the spill area.
8. Minimize the volume of water used to decontaminate.
9. Begin cleaning at the edges of the spill and work toward the center (lowest to highest).
10. Dispose of all cleanup materials as radioactive waste.
11. Resurvey yourself for contamination, including bottom of shoes, to ensure that no spreading of contamination has occurred.
12. Smear the area to ensure that removable contamination is below 2200 dpm/100 cm² in a restricted area or below 220 dpm/100 cm² in an unrestricted area.
13. Document spill cleanup on a monthly contamination survey form (NIH 88-12).
 - [Monthly Laboratory Contamination Survey \(Instructions\)](#)
 - [NIH Form 88-12 - Monthly Laboratory Contamination Survey \(pdf\)](#)

Policies regarding the actions to be taken in the event of a spill or injury are available on DRS web site: <http://drs.ors.od.nih.gov/policy/index.htm>.

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Weekdays between 8:00 a.m. and 5:00 p.m.

Contact the Division of Radiation Safety at (301) 496-5774.

- In case of serious injury or fire, DIAL 9-911 first, and then contact the Division of Radiation Safety at the above number.

Evenings, Weekends, and Holidays

In case of serious injury/fire, DIAL 9-911 first, then contact the Division of Radiation Safety per the below call list:

1. Justin Dion	240-271-5693 (CELL)
2. Dustin Gibbs	301-515-5299 (CELL)
3. Larry Koenig	410-551-4869 (H) 240-515-7516 (CELL)
4. Eric Munger	240-383-9551 (CELL) 206-851-0884 (H)
5. John Jacobus	301-464-1518 (H) 240-328-8285 (CELL)
6. Laurenti Ngutter	301-916-0562 (H)
7. Cathy Ribaudo	301-460-6878 (H) 240-515-6798 (CELL)

Emergency Procedure for Irradiator Facilities

1. If the irradiator malfunctions, **secure the door** to the irradiator room and **leave the area**.
2. Contact the Division of Radiation Safety as indicated above.

3. Contact the Irradiator Custodian:	<u>Office</u>	<u>Phone</u>
Dr. Joshua Sommers	6B123	410-558-8092
Dr. Kathy Perdue	4B002A	410-558-8316

Emergency Procedure for Portal Radiation Alarm

1. Label the MPW box with "Caution Radioactive Material" tape and place in a posted, locked storage location.
2. Call 301-496-4451 for a radioactive waste pick-up request.